

Advanced Inflatable Rider (AIR) Protection System
The Trackcare Advanced Inflatable Rider (AIR) Protection System is a modular inflatable barrier system designed to offer enhanced protection to riders with improved safety features and performance over existing air barrier products. The AIR Protection System has significant logistical benefits including rapid installation, portability, reliability and flat surfaces for advertising.



Key Product Features

Safety of Riders - Placing of outer impact surface means riders cannot go between barrier sections
Constant Deceleration - Impact deceleration is near constant over the event duration. This philosophy is thought to minimise injuries caused by rapid changes in the force applied to the human body.
Unique Design - The design ensures that even if the front impact wall is punctured the barrier retains its integrity and still provides the same level of protection
Low rebound velocity - The barrier has been designed to minimise rebound velocity.
Immediate Recoverability - The barrier is a closed system and does not vent any air to atmosphere during impact. Immediate recoverability is gained after an impact, further impacts provide the same controlled deceleration each time.
High Specification - Each 8 metre section has a Flame Retardant Cover and is Non-Reflective. The barrier is a fully reversible sealed unit.
Portability - The product has been designed such that when deflated, it occupies minimal space. Careful thought has been applied to keep installation / removal time to a minimum. This gives circuit safety officials the freedom to have installations moved quickly and easily throughout the day

Trackcare systems are fire retardant, UV protected, waterproof, and tear resistant. The barriers if damaged can be repaired at the trackside.



Millennium Product Award for Hi impact Barrier



FIA Approval for the Hi Impact



FIM Approval for the AIR.PS
FIM Approval for the Hi-lite

Cregan Boyd Director
Trackcare International Race Track Safety
2 Casaeldona Rise
Belfast
BT6 9RA
Northern Ireland
Tel/Fax +44 (0)2890 791665 (UK & Europe)
Mobile +44 (0)7710882858 (UK & Europe)
e-mail: info@trackcare.com

Trackcare

International Racetrack Safety™



Trackcare International Racetrack Safety was formed with the sole aim of improving the safety at race circuits for all types of motorsport world - wide. Trackcare can provide a variety of safety products for all your motorsports events

All products will last for up to ten years and longer if cared for properly and only requires an inspection by ourselves once a year, there is no routine maintenance required at the circuit throughout the year on most products.



Advanced Inflatable Rider (AIR) Protection System

This is Trackcare's latest motorsport impact protection system. The barrier is inflatable and can easily be transported to different circuits. The system has a double impact surface; this means if the outer impact area is punctured the barrier still absorbs energy. The material is UV protected and is fire retardant.

(Trackcare Fire Test) The outer cover is made of a grey non-reflective material. The construction of the barrier is such that it does not need constant checking of the pressure, meaning it is less likely to deflate during an event. When the modules are constructed at a circuit the front impact surfaces are placed so that it is impossible for a rider to go in-between the modules.

Dimensions 8m x 1.2m x 1m



Trackcare Hi-Impact Module.

The only system that can be used for motorcycles and motorcars. Approved by the FIA and FIM. This system was designed originally for Road Racing in Ireland therefore it will withstand large impacts. This is the only freestanding crash protection barrier in the world; it does not need to be placed against a wall or tyre barrier.

Dimensions 2.2x 1.2 x 1.1m



Trackcare Hi-Lite Impact Module. Dimensions 2 x 1.2 x 1.1m.



This is a new High Impact Motorsport Barrier that is light enough for two people to carry easily. The system has undergone the FIM test at the Transport Research Laboratory and the results were excellent. This system can be made 100% waterproof as an option. This is the same system that is being installed at Rockingham in England. The barrier has now been installed at WSB events at Silverstone and Brands Hatch.

The material used is stronger and thicker than any other company and will prove more durable in the long term. All systems are UV protected and are fire retardant to the French M2 test.

Low rebound velocity

World-wide Approval granted at FIM Congress. Type (A)

Trackcare Fire Retardant Bags.

Suitable for the placement of hay at a circuit. The FIM want all bales of hay in fire retardant bags to prevent fires from fuel spillage



FIM Congress Portugal 2000



Trackcare Tyre Inserts.

Newly developed these inserts are manufactured using the same foam that is used in our Formula 1 crash barrier, they are rubber coated and are virtually indestructible.

Trackcare Pole Protectors.

These can be made to suit the location that they are to be fitted too. These products are heavy duty and will give many seasons of use. They are waterproof, UV protected and fire retardant.



Trackcare Kerb Protectors.

Dual density foam used to protect Road Racers from serious injury caused by kerbstones. Easily installed, and cheap to purchase.



1 metre in length.